

SUMMARY

The Facility Stabilization mission consists of the following projects: B-Plant, WBS 1.4.1, Project Baseline Summary (PBS) TP01; Waste Encapsulation and Storage Facility (WESF), WBS 1.4.2, PBS TP02; Plutonium-Uranium Extraction (PUREX) Facility, WBS 1.4.3, PBS TP03; 300 Area/Special Nuclear Materials, WBS 1.4.4, PBS TP04; Plutonium Finishing Plant (PFP), WBS 1.4.5, PBS TP05; Transition Project Management, WBS 1.4.6, PBS TP12; Accelerated Deactivation, WBS 1.4.8, PBS TP10; 324/327 Facility Transition, WBS 1.4.10, PBS TP08; and Hanford Surplus Facility Program (300 Area Revitalization), WBS 1.4.11, PBS TP14.

The transfer of the B Plant facility ownership to the Environmental Restoration Contractor (ERC) is projected to take place in June 1999. Although this is three months behind the baseline date, it does not impact completion of the Tri-Party Agreement (TPA) milestone M-82-00, Complete B Plant Facility Transition Phase and Initiate the S&M Phase scheduled for September 30, 1999.

PFP continues to make excellent thermal stabilization progress. Thirty-eight items of plutonium-bearing oxide feed materials have been stabilized through the furnaces in the 234-5Z building since restart in January. Other progress includes the completion of the Integrated Project Management Plan (IPMP), thus ending six months of extensive efforts by the Tiger Team and PFP personnel. The plan includes a detailed, resource-loaded schedule and project oriented management plan that significantly improves confidence in the Project schedule, and supports accelerated disposition of the PFP nuclear materials inventory and processing facilities. Another significant accomplishment was the successful venting of Tank 241-Z-361. Neither tank pressure, hydrogen gas, or organic vapor concentrations above ambient were detected. This task was accomplished without incident and no out of normal events occurred during the venting work. The site and containment tent was cleaned up in preparation for vapor sampling, scheduled for mid May.

As a result of a recent evaluation of alternate technologies for stabilization and packaging equipment of PFP nuclear material inventories, a significant change in the Project W-460, "Plutonium Stabilization and Handling (PuSH)" path forward is now being planned. Extensive rework of project analysis and documentation is underway to implement the planned change from participation in the national Plutonium Stabilization and Packaging (PuSAP) contract to the bagless transfer system that is being utilized at Savannah River site (SRS). A significant key element of the revised plan is "single barrier" storage at PFP and "just in time outer can" to comply with DOE Technical Standard DOE-STD-3013-96 prior to shipment for final storage to SRS.

The 324 B Cell project continues to experience delays as a result of the inability to disposition remote-handled Transuranic (RH-TRU) grouted containers and equipment failure. However, slight progress was made in the size reduction activities with the completion of the top two-thirds of Rack 1A. The bottom half of Rack 1A has been initiated, allowing three additional samples to be taken. Other size reduction progress includes; Tank (TK) 113 is ninety percent size reduced, TK 115 tube bundle is completed and the removal of Rack 2A pipe trench jumpers is

complete. A baseline change request (BCR) FSP-99-017 is in process to resequence B Cell Cleanout activities and identify alternative storage for RH-TRU grout containers.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, FO, and RL) shows that 9 of 22 milestones (41 percent) were completed on or ahead of schedule, 3 milestones (14 percent) were completed late, and 10 milestones (45 percent) are overdue. Three FY 1997 milestones and two FY 1998 milestones remain overdue. Details can be found in the milestone exception report beginning on page F: 6-1.

ACCOMPLISHMENTS

- Completed the Integrated Project Management Plan (IPMP) at PFP. (FSP 1.3.1)
- Completed Venting of Inactive Miscellaneous Underground Tank 241-Z-361 at PFP. (TRP-98-412)
- Completed the final three of seven shipments of Spent Nuclear Fuel (SNF) from the 327 Building to K-Basins. (Planned)
- Completed Facility Evaluation Board (FEB) assessment at WESF; 75 items identified vs. 180 items in FY 1998. (Planned)

COST PERFORMANCE (\$M):

	BCWP	ACWP	VARIANCE
Facility Stabilization	\$86.7	\$89.8	-\$3.1

The \$3.1 million (4 percent) unfavorable cost variance is within the 5 percent established threshold. Further information can be found in the Cost Variance Analysis beginning on page F: 3-1 for details at the PBS level.

SCHEDULE PERFORMANCE (\$M):

	BCWP	BCWS	VARIANCE*
Facility Stabilization	\$86.7	\$113.7	-\$26.9

*Rounding

The \$26.9 million (24 percent) unfavorable schedule variance is primarily due to the delays with the PuSH line item. Additionally, the behind schedule condition for B Cell clean out and Tank 241-Z-361 venting/sampling is contributing to the unfavorable condition. A Baseline Change Request (FSP-99-010) is in process to revise the baseline scope and schedule to reflect the final FY 1999 target funding. Further information can be found in the Schedule Variance Analysis beginning on page F: 4-1 for details at the PBS level.

ISSUES

- 1) **B CELL LEGACY GROUT CONTAINERS.** Six legacy grout containers and four newly generated containers in B Cell cannot be shipped to the 200 Area burial grounds due to heat loading and/or Transuranic (TRU) classification, delaying B Cell clean out.

Strategy/Status: Isotopic sampling/improvement of characterization of B Cell wastes will require revised approaches to rack size reduction. Recent sampling data indicate the legacy grout containers will remain classified as remote-handled TRU (RH-TRU). Although evaluation of alternative disposition methods is ongoing, the best option appears to be storage in burial ground vaults. The project is pursuing the recommendation to temporarily store the grouted containers generated from B Cell in C Cell. This option would alleviate current and future congestion/space problems. BCR FSP-99-017 is in process to resequence B Cell Cleanout activities and identify alternative storage for grout containers.

- 2) **TANK 241-Z-361 VENTING / SAMPLING DELAYS.** Tank venting was initially delayed because the approved Justification for Continued Operation (JCO) required a revision to address the load limit restriction of the riser. The JCO revision along with the additional training required by the work crew was completed. Efforts to complete the venting and vapor sampling were delayed again by adjusting the Standard Startup Readiness review to include an emergency drill to demonstrate readiness.

Strategy/Status: Tank venting was completed on April 29, 1999 while the tank sampling and video taping will occur May 12, 1999

This is the last month this issue will be reported.